

POJAKOWSKI, I

SENGER, A.; GRYBOS, J.; JESKE, Witold; PIECHOCKI, K.; POJAKOWSKI, I.; SWIDERSKI, G.

Significance of early stabilization of the spine in the treatment of  
spinal fractures with cord injuries. Chir. narz. ruchu 22 no.4:377-380  
1957.

1. z Kliniki Ortopedycznej A. M. w Poznaniu. Kierownik: prof. dr W. Dega  
Poznan, ul. Dzierzynskiego 135/147

(SPINE, fractures  
causing spinal cord inj., surg., early stabilization of  
spine (Pol))

(SPINAL CORD, wds. & inj.  
caused by fract. of spine, surg., early stabilization of  
spine (Pol))

KROL, Jerzy; POLAKOWSKI, Lech; GRZEBIEN, Kazimierz (Poznan, Dzierzynskiego  
135)                   

Tendon transplantation on the foot after poliomyelitis. Chir.narz.  
ruchu 20 no.2:101-109 1955.

l. Z Kliniki Ortopedycznej A. M. w Poznaniu, Kierownik: prof. dr  
W. Dega.

(POLIOMYELITIS, surgery;  
foot tendon transpl.)

(FOOT, muscles,  
tendon transpl. in polio.)

DEGA, Wiktor; KROL, Jerszy; POIAKOWSKI, Lech

Simultaneous reposition-reconstruction in congenital hip dislocations  
in children. Chir. narz. ruchu 24 no.2:117-129 1959.

1. Z Kliniki Ortopedycznej A. M. w Poznaniu Kierownik: prof. dr W. Dega  
Adres autorow: Poznan, ul. Dzierzynskiego 135.

(HIP, dislocation,  
congen. simultaneous reposition-reconstruction in  
child (Pol))

DEGA, Wiktor; KROL, Jerzy; POLAKOWSKI, Lech

Mac Murray's osteotomy and Charnley's trans-acetabular arthrodesis  
in the treatment of coxarthrosis deformans. Chir.narz.ruchu ortop.  
polska 24 no.6:585-587 '59.

1. Z Kliniki Ortopedycznej AM w Poznaniu. Kierownik: prof. dr  
W. Dega.  
(HIP dis.)

POLAKOWSKI, Lech; KEDZIERSKA, Iwida

Biological preparation "Rumalon" in the treatment of some diseases with lesions of the articular cartilage. Chir. narzad. ruchu ortop. Pol. 29 no.6:737-740 '64

1. Z Kliniki Ortopedycznej Akademii Medycznej w Poznaniu (kierownik: prof. dr. W. Dega) i z Katedry Medyczny Rehabilitacyjnej Akademii Medycznej w Poznaniu (p.o. kierownika: dr. med. J. Tomaszewska).

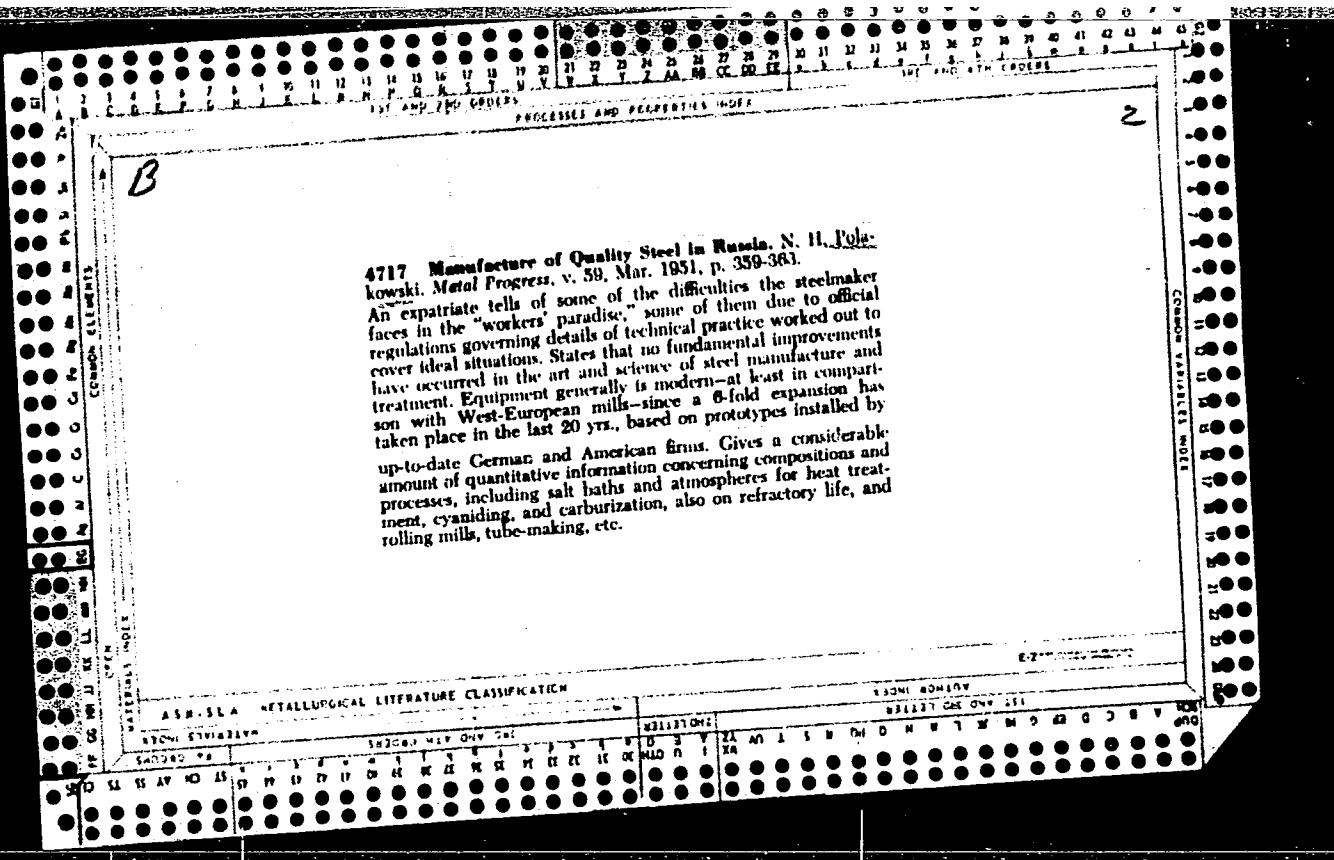
DEGA, W., Prof.; KROL, J.; POLAKOWSKI, L. (Poznan)

Our experiences with single-stage surgical reconstruction of the joint in congenital hip dislocation in children. Acta chir. orthop. traum. czech. 26 no.5-6:491-493 1959.

1. Ortopedicka klinika v Poznani, prednosta prof. dr. W. Degna.  
(HIP, fract. & disloc.)

USSR.

Contemporary metal processing techniques in Russia. N. H.  
Polakowski (Metal Progr., 1958, 67, No. 1, 99-103).—A brief  
review of recent Russian articles on gaseous carburising of auto-  
mobile gears with induction heat; continuous manufacture of spiral  
welded pipes; powder metallurgy; metallising and mechanical  
surface treatment; automation in metal working; continuous  
casting; automatic arc welding of Al alloys; mechanised working  
of metals; and electrolytic hardening. W. ASHWORTH.



CADo

*Materials - Nonmetals*

1295 RUSSIAN PRACTICE IN MACHINING WITH CEMENTED  
CARBIDES, M. H. Polakowski; MACHINERY (British) 27 Mar '52  
(80-2054 Wkly); pp 540-543; 3 illus, 6 fig.

Although a considerable amount of Russian literature on machining is available in the form of recent books and periodicals, knowledge, generally, of what is being done in this field seems to be rather limited. This paper presents a brief outline of developments in carbide tool design and the performances said to be obtained in the USSR. The review, which is limited to single-point machining, is based on recent sources, and references are given at the end of the article.

POLAKOWSKI, N.H.

(4) M/N

Journal of Applied Chemistry  
March 1954  
Industrial Inorganic Chemistry

✓ Chromium-nickel steels alloyed with nitrogen. ✓ N. H. Polakowski  
*Metalurg.*, 1953, 6, No. 6, 170-172. — A digest of a paper by V. I. Prosvirin, N. S. Krishchanovski, and R. P. Zalestayena (*Izv. Akad. Nauk SSSR*, 1952, 9, 22) is presented. N is introduced as nitrided ferrochrome (C 0.04%, Cr 65%, N 2-3%) into a steel containing C 0.1%, Cr 17%, and Ni 10%; when melted in an induction furnace at ~1530°. With the N content of the bath ranging from 0.5 to 1.5%, ~0.3% of the N is retained in solid solution in the alloy; higher N content in the bath causes porosity in the solid ingot. For steels containing 15-17% of Cr the optimum N content of the bath is 0.15-0.20%. In melting practice temp. variations from 1338° to 1549° and heating durations up to 30 min. do not lead to a significant loss of N in the metal.

C. W. MORLEY

Polakowski, N.H.

4028 Contemporary Metal Processing Techniques in Russia. N. H. Polakowski. Metal Progress, v. 67, Jan. 1955, p. 98-103.

Clues of the progress being made; inferences instilled by the studious omission of news from countless branches of metallurgical endeavor. Diagrams.

M. J. G.

SOBIS, H.; SZADOWSKA, A.; POLAKOWSKI, P.

Effect of calcium pantothenate and vitamin C on pulmonary changes  
in mice infected with the influenza virus. Acta physiol. polon.  
11 no.5/6:883-884 '60.

1. Z Zakladu Anatomii Patologicznej A.M. w Lodzi, Kierownik: prof.  
dr A.Pruszczynski. Z Zakladu Farmakologii A.M. w Lodzi, Kierownik:  
prof.dr E.Leyko.  
(PANTOTHENIC ACID pharmacol)  
(VITAMIN C pharmacol)  
(INFLUENZA exper)

DARZYNKIEWICZ-CZERNIK, Daniela; POLAKOWSKI, Przedzislaw; SZADOWSKA, Anna

Pharmacological properties of certain thiazoline derivatives.  
Med.dosw.mikrob. 12 no.3:301-309 '60.

1. Z Zakladu Farmakologii A.M. w Lodzzi Kierownik Zakladu: prof.  
dr nauk med. E.Leyko.  
(THIAZOLES pharmacol)

SOBIS, Halina; SZADOWSKA, Anna; POLAKOWSKI, Przedzislaw

Effect of vitamin C and calcium pantothenate on pulmonary changes  
in mice infected with influenza viruses. Med.dosw.mikrob. 12 no.4:  
397-404 '60.

1. Z Zakladu Anatomii Patologicznej A.M. w Lodzi, Kierownik: prof.  
dr med. A.Pruszcynski i z Zakladu Farmakologii A.M. w Lodzi,  
Kierownik: prof. dr nauk med. E.Leyko.

(INFLUENZA exper)  
(VITAMIN C pharmacol)  
(PANTOTHENIC ACID pharmacol)

DEBCOWA, Barbara; NOWICKI, Stanislaw; POLAKOWSKI, Przedzislaw

Acute chlorpromazine poisoning in a 4-year-old child. Pediat.  
polska 36 no.4:407-409 '61.

l. Z II Kliniki Chorob Dzieci AM w Lodzi Kierownik: prof. dr  
med. F. Redlich.

(CHLORPROMAZINE toxicol)

I. 25663-66 EWP(v)/EWP(k)/EWP(h)/EWP(i)

ACC NRI AM6003230

Monograph

PO/

29  
B+)

Polanski, Zbigniew (Doctor, Engineer)

Electrospark drilling of metals by compensated electrodes (Elektroiskrowe drążenie metali erodami kompensacyjnymi) Warsaw, WNT, 1965 95 p. illus., biblio. Errata slip inserted. 2190 copies printed. Series note: Nowa technika

TOPIC TAGS: drilling machine, electrospark machining, machine tool

PURPOSE AND COVERAGE: This book is intended for engineering and technical personnel in the machine-building industry. The book presents techniques for shaped-hole electrospark-drilling in hard-to-drill metals, especially in sintered metal carbides. The presentation is based on the operation of the Polish-designed commercial EDA35 electrospark-drilling machine. The method for designing compensated electrospark-drilling electrodes is described, and technological, physical, and economic information on electrospark-drilling are discussed. The results of research on electrospark metal machining, conducted at the Cracow Polytechnic under the supervision of Prof. Dr. Eng. J. Kaczmarek, have been used in this book. Dr. Eng. K. Albinski provided the author with some materials

Card 1/2

UDC 621.319.621.958

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L 25663-66  
ACC NR: AM6003230

O

and constructive criticism.

TABLE OF CONTENTS [abridged]

Foreword -- 5

Ch.I. Definition and Principal Uses of Electrospark-Machining -- 7

Ch.II. Wear of Compensated Electrodes -- 12

Ch.III. Compensated Electrodes -- 27

Ch.IV. Technology of Electrospark-Drilling with Compensated  
Electrodes -- 55

Ch.V. Economic and Physical Problems of Compensating Electrode  
Wear -- 83

Bibliography -- 95

SUB CODE: 13,08/ SUBM DATE: 13Feb65/-65/ ORIG REF: 038/ OTH REF: 002

Card 2/20da

POLAN, J.; NETUSIL, J.

Lighting boiler rooms. p. 576.

ELEKTROTECHNICKY OBZOR. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenske vedecka technicka spolecnost pro elekrotechniku pri Ceskoslovenske akademii ved) Praha, Czechoslovakia. Vol. 48, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960

Uncl.

POLAN, Jan, inz.

On the drafting of directives on classification of coal  
deposit reserves. Geol pruzkum 5 no.12:371-372 D '63.

1. Sdruzeni ostravsko-karvinskych dolu, Ostrava.

POLAN, Jan, inz.; BRANDEJS, Jan, inz.

Computing and recording geological reserves by calculating machines.  
Uhli 5 no. 4: 115-118 Ap '63.

1. Sdruzeni Ostravsko-Karvinskych dolu, Ostrava.

POLAN, Josef

Lighting of electric power plants. (Conclusion). Energetika Cz  
13 no.2:89-90 F '63.

1. Tesla Holešovice, n.p., Praha.

POLAN, Josef

Lighting of electric power plants. Part 1. Energetika Cz  
12 no.6:319-322 Je '62.

l. Tesla Holesovice, n.p., Praha.

*ear**11 d*

Sugar changes in the banana during ripening. G. L. Poland, J. T. Marion, M. W. Brunner and P. L. Haffey. *J. Am. Chem. Soc.*, 60, 360-2 (1938). There were 3.60% of total reducing sugars in the partially ripe and 7.45% in the fully ripe fruit. Sucrose increased from 7.0% to 12.08% but on percentage of total sugar basis it decreased from 68 to 62%. Glucose amounted to approx. 38% and fructose to approx. 42% of total reducing sugars regardless of the stage of ripening.  
J. R. Neller

ASIN-SLA METALLURGICAL LITERATURE CLASSIFICATION

POLANDOV, I.

In university laboratories. Pozh.delo 6 no.5:9 My '60.  
(MIRA 13:8)

1. Prepodavatel' Moskovskogo gosudarstvennogo universiteta.  
(Moscow--Chemical laboratories--Fires and fire prevention)

5/181/62/004/011/044/049  
B108/B186

AUTHORS: Leonidova, G. G., Polandov, I. N., and Golentovskaya, I. P.

TITLE: Effect of hydrostatic head on the temperature of phase transition in triglycine sulfate

PERIODICAL: Fizika tverdogo tela, v. 4, no. 11, 1962, 3337-3340

TEXT: Triglycine sulfate  $[(\text{NH}_2\text{CH}_2\text{COOH})_3 \cdot \text{H}_2\text{SO}_4]$  is a ferroelectric substance pertaining to the space group  $P2_1$ , which goes over into the space group  $P2_1/m$  on transition into the paraelectric state. To check the linear rise of the Curie temperature with pressure, the authors subjected little single crystals to pressures of up to  $5000 \text{ kg/cm}^2$  at temperatures between  $+49$  and  $+65^\circ\text{C}$  (constancy  $\pm 0.02$  degrees). The capacity of the crystals was measured as a function of pressure at constant temperature. The inversion points of the dielectric constant at different temperatures, determined from the capacities, were used to plot the curve of Curie temperature versus pressure. The curve is linear up to pressures of  $3350 \text{ kg/cm}^2$ . Thereafter it tends to saturation. Up to  $2500 \text{ kg/cm}^2$  the

Card 1/2

LEONIDDOVA, G.G.; POLANDOV, I.N.

Transition of barium titanate to the paraelectric state at high pressure. Fiz. tver. tela 4 no.9:2614-2615 S '62. (MIRA 15:9)

1. Institut fiziki vysokikh davleniy AN SSSR, Moskva.  
(Barium titanate—Electric properties)

POLANDOV, I.N.

Dielectric properties of a polycrystalline solid solution of  
 $\text{Ba}(\text{Ti}, \text{Sn})\text{O}_3$  at high pressures. Dokl. AN SSSR 150 no.4:779-780  
(MIRA 16:6)  
Je '63.

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova  
i Institut fiziki vysokikh davleniy AN SSSR. Predstavлено  
akademikom I.V. Obreimovym.  
(Dielectric constant)  
(Solutions, Solid)

Polandov, I.N.

AID Nr. 980-10 31 May

EFFECT OF HYDROSTATIC PRESSURE ON POLYMORPHIC TRANSITION  
POINT OF ANTIFERROELECTRIC  $Pb_2MgWO_6$  (USSR)

Polandov, I. N. Fizika tverdogo tela, v. 5, no. 4, Apr 1963, 1147-1149.  
S/181/63/005/004/029/047

The dielectric properties of a new ferroelectric with a perovskite-type structure has been investigated in a weak electric field under pressures up to 5000 kg/cm<sup>2</sup>. A polycrystalline specimen 0.48 mm thick and 4.8 mm in diameter was contained in a thick-walled vessel in which the pressures could be increased smoothly up to 6000 kg/cm<sup>2</sup>. In confirmation of earlier results obtained by G. A. Smolenskiy, the maximum of dielectric permittivity was observed at 38.3°C. This corresponds to the transformation from the antiferroelectric to the paraelectric phase. The results of experiments where permittivity was measured as a function of pressure for different constant temperatures showed that the permittivity maxima shifted markedly toward higher pressures at lower temperatures. Application of a strong (17 kv/cm)

Card 1/2

AID Nr. 980-10 31 May

EFFECT OF HYDROSTATIC PRESSURE [Cont'd]

8/181/63/005/004/029/047

electric field did not show any effect on the permittivity maxima. At temperatures close to the Curie point, the permittivity curve tended to drop under increased pressure after reaching a maximum. The plot of Curie temperature as a function of pressure was linear at pressures up to  $2000 \text{ kg/cm}^2$ , leveling off at higher pressures. The temperature slope for the linear section of the [FVP] curve was found to be  $5.92 \cdot 10^{-5} \text{ deg/atm}$ .

Card 2/2

ACCESSION NR: AP4013512

S/0181/64/006/002/0499/0502

AUTHORS: Polandov, I. N.; Mylov, V. A.

TITLE: Dielectric properties of polycrystalline solid solution  $Ba(Ti_xZr_{1-x})O_3$  in  
the region of the phase transition at high pressures

SOURCE: Fizika tverdogo tela, v. 6, no. 2, 1964, 499-502

TOPIC TAGS: dielectric property, solid solution, polycrystalline solid solution,  
phase transition, high pressure, dielectric constant, Curie Weiss law

ABSTRACT: The authors have investigated the dielectric properties of a polycrystalline solid solution of  $Ba(Ti_{0.9}Zr_{0.1})O_3$  in weak electric fields and in a pressure range up to 6100 kg/cm<sup>2</sup>. They have measured the dependence of the dielectric constant on temperature in the region of the phase transition at various pressures. These data are shown graphically in Fig. 1 on the Enclosure. The authors have found that, with increase in pressure, curves showing the dependence of dielectric constant on temperature shift toward low temperatures. Plotting the reciprocal of the dielectric constant as a function of temperature has shown that at high pressures and in weak electric fields the Curie-Weiss law is fulfilled.

Card 1/3

ACCESSION NR: AP4013512

The temperature of the ferroelectric phase transition decreases linearly with application of pressure, and has a coefficient of  $-3.8 \cdot 10^{-3}$  degree/atm. "In conclusion, we consider it our duty to express our sincere thanks to L. F. Vereshchagin, Corresponding Member AN SSSR, for his guidance of the work and his constant interest." Orig. art. has: 4 figures.

ASSOCIATION: Institut fiziki vysokikh davleniy AN SSSR, Moscow (Institute of the Physics of High Pressures AN SSSR); Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 15Aug63

DATE ACQ: 03Mar64

ENCL: 01

SUB CODE: PH

NO REF SOV: 006

OTHER: 004

Card 2/3

ACCESSION NR: AP4013512

ENCLOSURE: 01

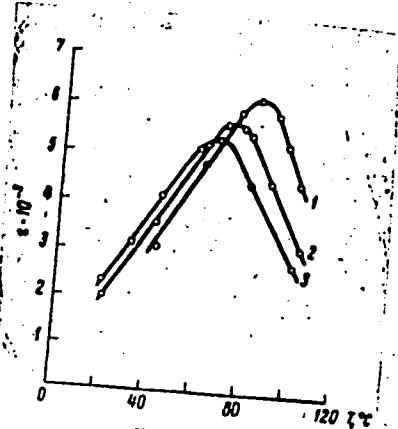


Fig. 1. Dependence of the dielectric constant of a solid solution of  $\text{Ba}(\text{Ti}_{0.9}, \text{Zr}_{0.1})\text{O}_3$  on temperature at different pressures ( $\text{kg}/\text{cm}^2$ ). 1 -  $2000 \text{ kg}/\text{cm}^2$ ; 2 - 4300; 3 - 6100. Strength of the alternating electric field is  $30 \text{ v}/\text{cm}$ .

Card 3/3

L 10390-63

EWT(1)/BDS/ES(s)-2--AFFTC/ASD/SSD--Pt-4--IJP(C)/GG

ACCESSION NR: AP3001398

S/0020/63/150/004/0779/0780

66  
60AUTHOR: Polandov, I. N.TITLE: On the question of dielectric properties of polycrystalline Ba(Ti, Sn)O  
sub 3 solid solution under high pressure

SOURCE: AN SSSR. Doklady, v. 150, no. 4, 779-780

TOPIC TAGS: piezoelectrics, dielectric constant, barium titanate, barium  
stannate, Curie point, high-pressure effectABSTRACT: The effect of high pressure on the dielectric constant of one of the  
solid solutions formed in the BaTiO sub 3--BaSnO sub 3 system has been  
investigated. The composition of the solid solution selected was Ba(Ti sub 0.9,  
Sn sub 0.1)O sub 3. A polycrystalline specimen was subjected to hydrostatic  
pressures from 1000 and 4200 kg/cm sup 2 at a temperature of 20 to 600, i.e., in  
the region of the phase transformation at the Curie point (approximately 410°C u  
under atmospheric pressure). The magnitude of dielectric constant at the Curie  
point was found to drop sharply with increasing pressure (see Fig. 1 of  
Enclosure). At the same time the maximum of the dielectric constant temperature

Card 1/p2

L 10390-63  
ACCESSION NR: AP3001398

6

curve became less pronounced and shifted toward lower temperature curve became less pronounced and shifted toward lower temperature; i.e., the Curie point also drops with increasing pressure. The drop is linear and amounts to 0.003 degree/atm. This article was presented by Academician I. V. Obreimov, 2 January 1963. "In conclusion I express my deep thanks to Corresponding member of AN SSSR L. F. Vereshchagin for guidance in the work and to Prof. G. A. Smolenskiy and V. A. Isupov for their help in the work. I express my gratitude to L. V. Savel'yev, who took part in the preparation and conduct of the experiment." Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University); Institut fiziki vysokikh davleniy Akademii nauk SSSR (Institute of Physics of High Pressures, Academy of Sciences SSSR)

SUBMITTED: 24Dec62 DATE ACQ: 01Jul63 ENCL: 01  
SUB CODE: 00 NO REF SOV: 005 OTHER: 002

Card 2/2

POLANDOV, I.N.

Effect of hydrostatic pressure on the polymorphic transition point  
of the antiferroelectric  $Pb_2MgW_6$ . Fiz.tver.tela 5 no.4:1147-1149  
Ap '63. (MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.  
(Ferroelectric substances) (Dielectric constant)

LEONIDOV A, G.G.; POLANDOV, I.N.; GOLENTOVSKAYA, I.P.

Effect of hydrostatic pressure on the phase transition  
temperature in triglycine sulfate. Fiz. tver. tela 4  
no.11:3337-3340 N '62. (MIRA 15:12)

1. Institut fiziki vysokikh davleniy AN SSSR i Moskovskiy  
gosudarstvennyy universitet imeni Lomonosova.  
(Glycine—Thermal properties)

POLANDOV, I.N.; MYLOV, V.A.

Dielectric properties of a polycrystalline Ba(Ti, Zr)O<sub>3</sub> solid solution in the phase transition region at high pressures. Fiz. tver. tela 6 no.2:499-502 F '64.  
(MIRA 17:2)

1. Institut fiziki vysokikh davleniy AN SSSR, Moskva i Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

S/120/60/000/02/047/052  
E140/E335

AUTHORS: Leonidova, G.G. and Polandov, I.N.

TITLE: Measurement of High Pressures Using Tensometers

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No 2,  
p 159 (USSR)

ABSTRACT: A bridge circuit is described in which all resistances  
are composed of identical tensometers. One is located  
in the same volume as the working tensometer for  
temperature compensation. There are 1 figure and  
1 Soviet references.

ASSOCIATION: Institut fiziki vysokikh davleniy AN SSSR ✓C  
(Institute of High-pressure Physics of the Ac.Sc., USSR)

SUBMITTED: January 23, 1959

Card 1/1

L 04418-67 EWT(1)/EWT(m)/EWP(j)/T/EWP(t)/ETI/EWP(k) LJP(c) JD/JW/HW/RM  
ACC NR: AP6034270 SOURCE CODE: UR/0386/66/004/007/0255/0258

70  
69  
B

AUTHOR: Mylov, V. P.; Polandov, I. N.; Strukov, B. A.

ORG: Chemistry Department of the Moscow State University im. M. V. Lomonosov  
(Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta)

TITLE: New phase-transition line in crystalline triglycine selenate at high pressures

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu.  
Prilozheniya, v. 4, no. 7, 1966, 255-258

TOPIC TAGS: ferroelectric material, phase transition, high pressure research, dielectric constant, electric polarization, Curie point

ABSTRACT: This is a continuation of earlier work (Fiz. tverdogo tela v. 4, 3337, 1962) on the ferroelectric properties of triglycine sulphate and triglycine selenate crystals. The present study is confined to triglycine selenate but the hydrostatic pressure has been raised to 8000 kg/cm<sup>2</sup>. Measurements were made of the dielectric constant and the spontaneous polarization in the phase-transition region. It was found that the dielectric constant decreases at the Curie point with increasing pressure, the relative change in the dielectric constant at the Curie point at 5000 kg/cm<sup>2</sup> being ~60%. At pressures up to 8000 kg/cm<sup>2</sup> the Curie temperature shifts linearly into the region of higher temperature at a rate  $3.7 \times 10^{-3}$  deg/kg/cm<sup>2</sup>, which is in good agreement with the results obtained earlier at pressures up to 2700 kg/cm<sup>2</sup>. Measurements of the spontaneous polarization of triglycine selenate with the aid of a "hystereso-

Card 1/2

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ACC NR: AP6034270

graph" (Izv. VUZov. Priborostroyeniya v. 3, 25, 1960) show that at room temperature and at a pressure near  $6000 \text{ kg/cm}^2$  the triglycine selenate crystal goes over to the paraelectric state. When the temperature is raised at fixed pressure, the crystal again becomes ferroelectric, as manifest by the appearance of a hysteresis loop on the oscilloscope screen and by the readings of the hysteresograph. Further increase in temperature again makes the crystal paraelectric after a phase transition. It is thus found that at  $6000 \text{ kg/cm}^2$  triglycine selenate goes through two ferroelectric phase transitions as the temperature is raised. Further investigations were made with the pressure varied under isothermal conditions. During the course of the experiment, hysteresis loops were observed, and the transition temperature was established as the spontaneous polarization decreased to zero and the hysteresis loop disappeared. The investigations show that in the temperature region 0 - 50°C, at pressures  $5800 - 7800 \text{ kg/cm}^2$ , there exists in the triglycine selenate crystal a new line of phase transitions which, together with the transition line previously obtained, delineates the region of existence of the ferroelectric state of the triglycine selenate crystals. The authors thank the director of this work, Academician L. F. Vereshchagin for continuous interest and help. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 20/ SUBM DATE: 05Jul66/ ORIG REF: 002/ OIN REF: 005

Card 2/2 vmb

AUERMAN, I.Ya.; KRETOVICH, V.L.; POIANDOVA, R.D.

Fermentative way of improving the quality of wheat bread by the  
method of oxidation. Prikl. biokhim. i mikrobiol. 1 no.1:66-73  
Ja-F '65. (MIRA 18:5)

1. Tekhnologicheskiy institut pishchevoy promyshlennosti, Moskva.

24.7800,

S/181/62/004/009/038/045  
B104/B186

AUTHORS: Leonidova, G. G., and Polandov, I. N.

TITLE: Transition of barium titanate into the paraelectric state at high pressure

PERIODICAL: Fizika tverdogo tela, v. 4, no. 9, 1962, 2613 - 2615

TEXT: The changes in the dielectric properties of monocrystalline barium titanate at high pressures and at room temperature were studied. The specimen (0.3×4.4 mm) had silver electrodes and was subjected to high pressures in a chamber in which the capacitance of the single crystal was measured at 800 cps. At the beginning of pressure rise, the capacitance remained constant. At 11,000 kg/cm<sup>2</sup> a sharp peak was observed. With a further increase in pressure the capacitance decreased to a small value. Above this transition the capacitance was independent of the voltage applied which is typical of a paraelectric state. The dielectric constant depends on pressure in the same way as the capacitance. The transition takes place at that pressure at which the Curie temperature of barium titanate had decreased to room temperature. There is 1 figure.

Card 1/2

APPROVED FOR RELEASE: 06/15/2000      CIA-RDP86-00513R001341720003-0  
 EWT(1)/EPA(s)-2/EWP(w)/EWT(m)/EPF(n)-2/T/EWP(t)/EWP(b)/EWA(h)/EWA(s)  
 IJP(c)    JD/JW/JG/GC  
 ACCESSION NR: AP5014596  
 AUTHOR: Polandov, I. N. 55, 44  
 TITLE: Investigation of the ferroelectric solid solution  $Ba(Ti_{0.95}Zr_{0.05})O_3$  at  
 high pressures 55, 44, 55  
 SOURCE: Fizika tverdogo tela, v. 7, no. 6, 1965, 1874-1876  
 PICO TAGS: ferroelectric material, solid solution, barium compound, zirconium  
 containing alloy, Curie point  
 ABSTRACT: The author describes the results of experimental investigations of the  
 properties of the investigated solid solution in the pressure range 0-  
 100 kg/cm<sup>2</sup>. The experiments were carried out with a sample 5 mm in diameter  
 5 mm thick. The capacitance of the sample was measured at 1000 cps. The rate of  
 temperature dependence of the dielectric constant was measured in the temperature  
 range 20-120°C at various hydrostatic pressures up to 7200 kg/cm<sup>2</sup>. The rate of  
 pressure increase was kept constant in all experiments at 0.250 per minute. At  
 the same time the dielectric constant was measured at 1000 cps. The results obtained  
 agreed well with those previously published.  
 /2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341720003-0

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ACCESSION NR: AP5014596

13

As the pressure was increased, the Curie temperature shifted towards lower temperatures continuously and the lattice symmetry changed from tetragonal to cubic; at the same time, the sample changed to the para-electric state. The dielectric constant at the Curie point decreased noticeably with increasing pressure. The sensitivity of the dielectric constant near the phase transition point to hydrostatic pressure is attributed to the influence of pressure on the main structure, indicated in an earlier paper by the author (with V. P. Mylov, FTT v. 6, 499, 1964). "In conclusion, I am grateful to L. F. Vereshchagin for continuous interest and help, and to V. F. Mylov and P. M. Amoskin for participating in the experiment".

Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University) 51, 44

SUBMITTED: 07Jan65

ENCL: 00

SUB CODE: 88, MM

NR. REF Sov: 007

OTHER: 004

*Reh*  
Card 2/2

ACC NR: AP6036978

(A,N)

SOURCE CODE: UR/0181/66/008/011/3320/3323

AUTHOR: Krasnikova, A. Ya.; Polandov, I. N.; Mylov, V. P.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Character of the behavior of the ferroelectric properties of potassium ferrocyanide

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3320-3323

TOPIC TAGS: potassium compound, ferroelectric property, phase transition, paraelectricity, high-pressure research, dielectric constant, temperature dependence

ABSTRACT: This is a continuation of earlier work (FTT v. 8, no. 1, 1967) dealing with the ferroelectric phase transition in potassium ferrocyanide  $K_4Fe(CN)_6 \cdot 3H_2O$  in different crystalline modifications. The purpose of the present investigation was to determine the influence of high hydrostatic pressure on the dielectric properties of potassium ferrocyanide, in order to obtain new information on the character of the polytypical transformations observed in this crystal. A single crystal with [101] cut, grown from a solution of recrystallized salt, was tested. The dielectric characteristics were measured in the temperature range from 0 to -55°C at pressures up to 5500 kg/cm<sup>2</sup>. The tests showed that the greatest sensitivity of the dielectric constant to pressures observed in the region of the transition to the paraelectric phase, for which the rate of change of the transition temperature with pressure is  $2.3 \times 10^{-3}$  deg-cm<sup>2</sup>/kg, and the rate of change of the maximum dielectric constant with

Card 1/2

ACC NR: AP6036978

pressure is  $11.8 \times 10^{-3} \text{ kg}^{-1}\text{cm}^2$ . The temperature dependence of the dielectric constant of potassium ferrocyanide exhibited an oscillatory dependence on the temperature, with the values of the peaks and the distances between them differing with the applied pressure. The authors thank L. F. Vereshchagin and V. A. Koptsik for directing the work and discussing the results. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 19Mar66/ ORIG REF: 004/ OTH REF: 004

Card 2/2

POLANKA, Ed., MUDr; SLAVETINSKY, Milan, Dr.

*Effect of smoking on gingivitis. Prakt. zub. lek., Praha 2 no.  
10:223-225 1954.*

1. Ze Stomatologiskeho oddeleni FN v Olomouci  
(GINGIVITIS, etiology and pathogenesis  
smoking)  
(SMOKING, injurious effects  
gingivitis)

KOSTECKA-MADALSKA, Olga; POLANOWSKI, Antoni

Ethereal oil from domestic Erigeron canadensis L. Acta Pol.  
pharm. 21 no.3:275-279 '64

1. Z Zakladu Botaniki Farmaceutycznej Akademii Medycznej we  
Wroclawiu (Kierownik: prof. dr. J. Madalski).

PLOANOWSKI, T.

Wilinska, J. Ploanowszki, T.  
"A City Reporter in a Village." Tr. from the Polish.  
(Magyar Radio. Vol. 9, no. 21, June 1953, Budapest.) p. 14.

SO: Monthly List Of East European Accessions, Vol. 2, No. 9, Library of Congress, September  
1953, Uncl.

PULANOWSKI, T.

The interior and the facade; a poem, p. 2. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8,  
no. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,  
Uncl.

POLANSCAK, Z.

Will the creations of Yugoslav inventors find their place in  
the industries of our country? Tesla 9 no.4:36 '62.

POLANSCAK, Z.

"The man's 20 senses before the unknown" by Charles Noel Martin.  
Reviewed by Z. Polanscak. Tesla 9 no.4:60 '62.

MALINOWSKI, Stanislaw; RAKOCZY, Tadeusz, POLANDA, Barbara

Studies on alcohol reactions in gaseous phase. Pt. 4.  
Rocznik chemii 38 no 1923-27 '64.

1. Department of Organic Technology I, Technical University,  
Warsaw, and Institute of Organic Synthesis, Polish Academy of  
Sciences, Warsaw.

POLANSKA Br.

Klin. radiol., A. M., Kraków. \*Dysostosis cranio-digito-facialis PATOL. POLSKA 1953,  
1953, 4/3 (221-223) Illus. 7.

Radiological description of a case of dysostosis of mixed Crouzon and Apert type  
in a male child aged 16 months with oxycephaly and hydrocephalus. The pathogenic  
hypothesis of Bonevie is cited. Ziemnowicz - Wrocław (VIII, 5)

SO: Excerpta Medica; Section VIII Vol. 7 No. 11.

**POLANSKA, Bronisława**

Coarctation of aorta. Przegl. lek. Krakow 10 no.12a:359 Dec 54.

l. Z kliniki radiologicznej A.M. w Krakowie - kierownik doc. dr.  
J.Chudyk.

(COARCTATION OF AORTA)

GEBALA, Antoni; SOKOLOWSKA-PITUCHOWA, Janina; POLANSKA, Bronislawa.

Vrolik's and Lobstein's osteogenesis imperfecta. Pat.polska 6  
no.3:189-196 July-Sept '55.

l. Z Kliniki Chorob Dzieci. Kier.: prof. dr W. Bujak; Z. Zakl.  
Anat.Pat. Kier.:prof. dr J. Kowalczykowa, Z. Kliniki Radiol.  
Kier.: dr J. Chudyk; A.M. w Krakowie. Krakow. ul. Strzelecka  
Klin.Chorob Dzieci.  
(OSTHOGENESIS, IMPERFECTA,  
Vrolik's & Lobstein's types)

POLANSKA, B.

EXCERPTA MEDICA Sec.14 Vol.11/8 Radiology Aug57.

1455. POLANSKA B., CZAPNICKA M. and WITEK J. Klin. Radiol. A. M., Krak-  
ow. "Metody i doświadczenia w cholangiocholecystografii dożylnej przy uży-  
ciu biligrafiny. Methods and experiences in intravenous  
cholangiocholecystography by the use of biligrafin PRZEGL.  
LEK. 1956, 12/11 (337-342) Illus. 8

Biligrafin has considerably higher diagnostic value than orally administered drugs. Inflammatory changes in the biliary tract and the gallbladder, and especially co-existent gallstones, frequently though not invariably afford a reduced visualization of the biliary tract, which nevertheless is diagnostically invaluable. It is only in the most serious lesions of the liver and in the presence of obstacles of mechanical nature that the biliary tract is not visible. Lesions of liver tissue, according to reports of many authors, are no contraindication to biligrafin investigation, on account of its elimination by the renal route. Mikutowski - Cracow (XIV, 8, 9)

POLANSKA, Bronislawa

Infantile scurvy, Barlow's disease. Polski przegl. radiol.  
20 no.4:217-222 July-Aug 56.

l. Z Kliniki Radiolog. A.M. w Krakowie, Kier.: prof. dr. J. Chudyk  
Zaklad Radiol. A.M. w Krakowia.  
(SCURVY, in infant and child  
(Pol))

EXCERPTA MEDICA Sec 15 Vol 12/4 Chest Diseases Apr 59

898. THIN-WALLED CYSTIC TUBERCULOUS CAVITIES FORMING DURING  
TREATMENT WITH ANTIBIOTICS - W sprawie cienkościennych,  
torbielowatych jam gruźliczych powstających w przebiegu leczenia  
antybiotykami - Polańska B., Pieniążek J. and Tomaszik B.  
Klin. Radiol. A. M., Kraków - PAT. POL. 1958, 9/2 (175-182) Tables 1  
Illus. 8

This is a description of the cleansing of a tuberculous cavity, as a result of anti-biotic action. The appearance of thin-walled tuberculous cavities is explained by a change in the anatomo-pathological type of tb of the pulmonary tissue under the influence of antibiotic treatment. In the final picture in certain cases a new type of tuberculous cavity forms, dry and not containing any infective material but constituting a disability in the lungs rather than a disease, if the clinical state of the patients is good.

Dobrowolski - Warsaw (XV, 5)

1. Z Kliniki Radiologicznej A. M. w Krakowie Kierownik:  
Doc dr J. Chudyk Z Zakładu Anatomii Patologicznej A. M. w Krakowie  
Kierownik: prof. dr J Kowalczykowa Z Wojewódzkiego Szpitala  
Specjalistycznego w Krakowie Odział Woła Justowska Ordynator: dr.  
J. Peniaczak. Adres autorów Kraków, ul Kopernika 21, Klinika  
Radiologiczna A. M.

POIANSKA, Dr

Neurogenic osteoarthritis. Polski przegl. radiol. 22 no.4:197-200  
July-Aug 58.

1. Z Klinik Radiologicznej A. M. w Krakowie Kierownik: dr J. Chudyk.  
(OSTEOARTHRITIS, case reports  
neurogenic osteoarthritis (Pol))

POLANSKA, Bronisława (Krakow, ul. Czernowiejska 50 B)

Value of intravenous cholangiocholecystography with biligraffin in the  
diagnosis of diseases of the biliary tract. Polski przegl. chir.  
30 no.1:19-33 Jan '58

1. Z Kliniki Radiologicznej A.M. w Krakowie, Kierownik: doc. dr. J.  
Chudyk.

(CHOLANGIOGRAPHY,  
cholangiocholecystography, intravenous, with sodium  
iodipamide, value in diag. of biliary dis. (Pol))

(BILIARY TRACT, dis.  
diag. by intravenous cholangiocholecystography with sodium  
iodipamide, value (Pol))

POLACEK, E.; POLANSKA, M.

Concentration test in infants. Cesk. pediat. 17 no.1:1-10 Ja '62.

1. Ustav vyzkumu vyvoje dítěte, reditel prof. MUDr. J. Houštek  
Kojenecký ustav v Praze-Krci, reditel MUDr. Z. Žeman.

(KIDNEY FUNCTION TESTS in inf & child)

POLANSKI, A.

POLANSKI, A. A New Essay of Evaluation of the Chemical Composition of the Earth. Poznanskie Towarzystwo przyjaciol nauk. Bulletin. Serie B: sciences mathematiques et naturelles, 1946, no. 9, p. 25-46.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720003-0

CH

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Some problems of biogeochemistry. Antoni Polanski  
(Univ. Poznan, Poland). *Wiadomosci Naukowe Ziemi*  
(Polish Geol. Museum Mag.) 4, 33-50 (1949) (French  
summary).—A review, with discussion of the role of  
C, P, S, N, and I, and of the S and N cycles. The physiol.  
effects of I, Co, Cu, and Zn are discussed. M. F.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720003-0"

CA

8

The alkaline rocks of the East-European Plateau. Antoni Polakski (Univ. Poznań, Poland). *Bull. Soc. Geol. Pologne*, No. 1, Sci. Math. et nat. No. 10, 119-84 (1949) (in English). A petrological comparative study of the complexes of alk. rocks cutting through the East-European plateau in some of its border regions in Sweden, Finland, and the Kola peninsula is given. A geological sketch of the plateau itself is presented with special regard to the tectonic position of the alk. complexes and hypotheses of the origin of alk. rocks. Comparative petrological analyses are given based on chem. data and mineralogical compn. of the rocks. Distinction is made between two separate groups of alk. complexes characterized by the over- or under-satn. of alkali with alumina. W. H. Power

POLANOWSKI, Andrzej

In the footsteps of geologists. Uhli 7 no.4:144 '65.

1. API, Warsaw.

Polanski, A.

"Washing Sulphite Pulp Under Pressure", p. 72 (Przeglad Papierniczy, Vol. 9, No. 3,  
March, 1953, Lodz, Poland

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress, August, 1953  
Uncl.

POLANSKI, A.

Metamorphism of srystalline formations of the Eulengebirge. p. 211.  
ARCHIWUM MINERALOGICZNE, Warszawa, Vol. 18, no. 2, 1954 (published 1955).

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

POLANSKI, A.

Brian Mason's Principles of Geochemistry; a book review. p. 330.  
ARCHIWUM MINERALOGICZNE, Warszawa, Vol. 18, no. 2, 1954 (published 1955).

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

POLANSKI, Alojzy dr inz.

Transportation mechanization of raw materials in storing places  
of machine industry plants. Przegl mech 22 no. 13:401-405  
10 Jl '63.

1. Kierownik Zakladu Dzwignic i Przenosnikow, Politechnika,  
Poznan.

POLANSKI, Alojzy, dr inz.

Mechanized installations for continuous reloading bulk material in storehouses. Mechanika Poznan no. 4:195-220. '62.

1. Director, Institute of Cranes and Conveyors, Technical University, Poznan.

POLANSKI, Alojzy, dr inz.

Assembly conveyers for control and measuring armatures and  
instruments. Przegl mech 21 no.16:498-502 25 Ag '62.

1. Politechnika, Poznan.

POLANSKI, ANTONI.

Ratibor i okolice. Warszawa, Sport i Turystyka, 1955. 122 p. (Ratibor and vicinity.  
illus., maps)

So: Eastern European Accession. Vol 5, no. 4, April 1956

POLANSKI, A,

Radioactive methods applied in the determination of absolute age in  
geology.

p. 453

No. 10, Oct. 1955

PRZEGLAD GEOLOGICZNY

Warszawa

SOURCE: East European Accessions List (EEAL), LC. Vol. 5, no. 2, Feb. 1956

POLANSKI, A.

Kalervo Rankamas' Geology of Isotopes; a book review. p. 209  
(Archiwum Mineralogiczne, Vol. 19, No. 2, 1956)

S0: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept 1957, Uncl.

POLANSKI, J.

Critical remarks on some geochemical speculations concerning atmospheric argon. J. A. Polanski (Polish Acad Sci, Warsaw). Bull. Akad. Nauk Pol. Kl. Nauk Mat. Fiz. Chem. II, 3, 345-352 (1957) (in English).—The computations by Chackett (C.A. 46, 5041h), Tatei (C.A. 46, 8529m), Rostagni (C.A. 46, 8334), Birch (C.A. 46, 8982h), Kulp (C.A. 46, 2974i) and Rankama (C.A. 48, 8144h), Schlieber and Russel (C.A. 50, 3170d) are discussed. According to P'sekalens it seems premature to attempt speculations based on the amount of  $A^+$  in the atm.  
Jan Burchart

PM  
RE

POLAND/Cosmochemistry. Geochemistry. Hydrochemistry.

D

Abs Jour: Ref Zhur-Khim., No 23, 1958, 76954.

Author : Polanski, Antoni.

Inst :

Title : The Problem of Atmospheric Argon.

Orig Pub: Arch. mineralog., 1957, 20, No 1-2, 259-295.

Abstract: A review of works concerning the problems of atmospheric Ar. Computations of the age of the earth's crust and of the atmospherical Ar are carried out based on the content of Ar<sup>40</sup> in the atmosphere. The age of the earth's crust is computed to be  $3 \times 10^9$ ,  $3.5 \times 10^9$  and  $4 \times 10^9$  years assuming that the thickness of the earth's crust is 31, 33 and 36 km respectively. The age of the atmospheric Ar is in the range from  $1.15 \times 10^9$  to  $4.75 \times 10^9$

Card : 1/2

POLANSKI, Alojzy, dr., inz.

Criteria for evaluating and selecting the economic efficiency of  
transportation equipment. Przegl mech 20 no.23:702-705 '61.

1. Politechnika Poznanska.

(Poland — Transportation)

POLANSKI, Jerzy

Renaissance of Pirogov's operation. Polski. przegl. chir. 31 no.4:  
545-548 May 59.

1. Z I Kliniki Chirurgicznej Pomorskiej A. M. w Szczecinie Kierownik:  
prof. dr T. Sokolowski.  
(AMPUTATION)

VALD, B.; ZOLTAN,L.; POLANSKI, T.; TOT, S.; BERICZEI, M.

Treating generalized forms of malignant tumors by injecting Y<sup>90</sup> into  
the hypophysis. Vop. onk. 6 no. 10:9-12 0 '60. (MIRA 14:1)  
(YTTRIUM-ISOTOPES) (CANCER) (PITUITARY BODY)

POLANSKI, Zbigniew, mgr inz.

Practical methods of finding certain empirical formulas.  
Pomiary 9 no.6:254-258 Je '63.

1. Katedra Obrobki Metali, Politechnika, Krakow.

POLANSKI, Zbigniew, dr inz.

Economic and physical bases for the selection of electric  
conditions of electrospark hollowing of conic cavities while  
applying the RG generator. Przegl mech 22 no.15:480 10 Ag '63.

1. Katedra Obrobki Metalu, Politechnika, Krakow.

KACZMAREK, Jan, prof. dr inz.; POLANSKI, Zbigniew, dr inz., adiunkt; SUMMER-  
BRASON, Krzysztof, mgr inz., st. asystent

Results of studies on the time and technological utilization  
of the machine tool park as a reserve for increased production.  
Przegl mech 24 no.6:163-167 25 Mr '65.

1. Department of Metal Machining of the Krakow Technical University.

POLANSKI, Zygmunt, dr.

The quays as an element determining the turnover of a fishing port. Tech gosp moraka 15 no.249-5: T '65.

1. Sea Fisheries Institute, Gdynia.

POLANSKI, H.  
SHEBALIN, N.-----

"A new Essay of Evaluation of the Chemical Composition of the Earth" [in English] (in Bull. de la Soc. des amis des sciences et des lettres de Poznan, ser.B, livre IX, p.25-46, 1948).  
A.Polanski. Reviewed by N.Shebalin. Vop.kosm.1:274 '52.

(MLRA 7:2)  
(Geochemistry) (Polanski, A.)

POLANSKIY, A.P.

AID P - 582

Subject : USSR/Mining

Card 1/1 Pub. 78 - 19/22

Authors : Polanskiy, A. P., Rakina, V. N., and Grigor'yev, A. F.

Title : Experience with a multi-purpose and combined exploitation of wells in the Saratovgas Trust

Periodical : Neft. Khoz., v. 32, #8, 85-89, Ag 1954

Abstract : A description of coordinated management in training of the gas well operating and repair personnel; outline of the organization of the professional schools, special workers study groups and brigades for various coordinated emergency and safety works; description of two apparatuses specially designed for simple control of gas flow with definite rate and for automatic "blow-out" of liquid from the gas separator. Two drawings.

Institution : None

Submitted : No date

POLANSKY, A.

Polansky, A. Analysis of a nonstationary flow of heat by means of a mechanical analogue. p.1.

Vol. 65, no. 2, 1955 ROZPRAVY. RADÁ TECHNICKO-VĚDECKA. Praha, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2  
February, 1956

Polansky, A; Rehanek, J.

"The problem of the thermal accumulation of exposed outer wall surfaces.  
p. 75 (Sbornik, No. 1, 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958

POLANSKY, A.,: REHANEK, J.,: SAFAR, L.

Accuracy in solving cases of unstationary heat conduction by using  
hydromechanical models. p. 65.

Ceskoslovenska vedecka technicka spolecnost pro zdravotni techniku a  
vzduchotechniku. SBORNIK. Praha, Czechoslovakia. No. 3, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,  
Oct. 1959.

Uncl.

L 22826-66 ETC(m) WW  
ACC NR: AP6010694

SOURCE CODE: CZ/0037/65/000/005/0407/0421

45

B

AUTHOR: Polansky, Alois; Janous, Antonin

ORG: Industrial Construction n.p., Prague (Prumstav n.p.); Research Institute of Architectural Structures, Prague (Vyzkumny ustav pozemnich staveb)

TITLE: Method for measuring small through-flow amounts of air

SOURCE: Ceskoslovensky casopis pro fysiku, no. 5, 1965, 407-421

TOPIC TAGS: gas pressure, air, pressure measurement, gas flow, flow analysis

ABSTRACT: A theoretical analysis is presented of a new method for determining small through-flow amounts of air, from the pressure drop in a vessel of known volume. The influence is investigated of the state of the air during the pressure drop upon the accuracy of the results, and a quantitative evaluation of the method is made on the basis of specific results. A comparison of the experimental results of the new method with other methods of measurement shows good agreement. The practical applications of the new method are outlined. From its experimental verification it is evident that the new method can be used advantageously in all cases where small through-flow amounts of air must be determined within a certain pressure range. Orig. art. has: 12 figures, 39 formulas, and 1 table. [JPRS]

SUB CODE: 20 / SUBM DATE: 03Apr64 / ORIG REF: 003

Card 1/1 ✓

POLANSKY, A.

Two-dimensional hydromechanical model of a thermal field. p. 57.

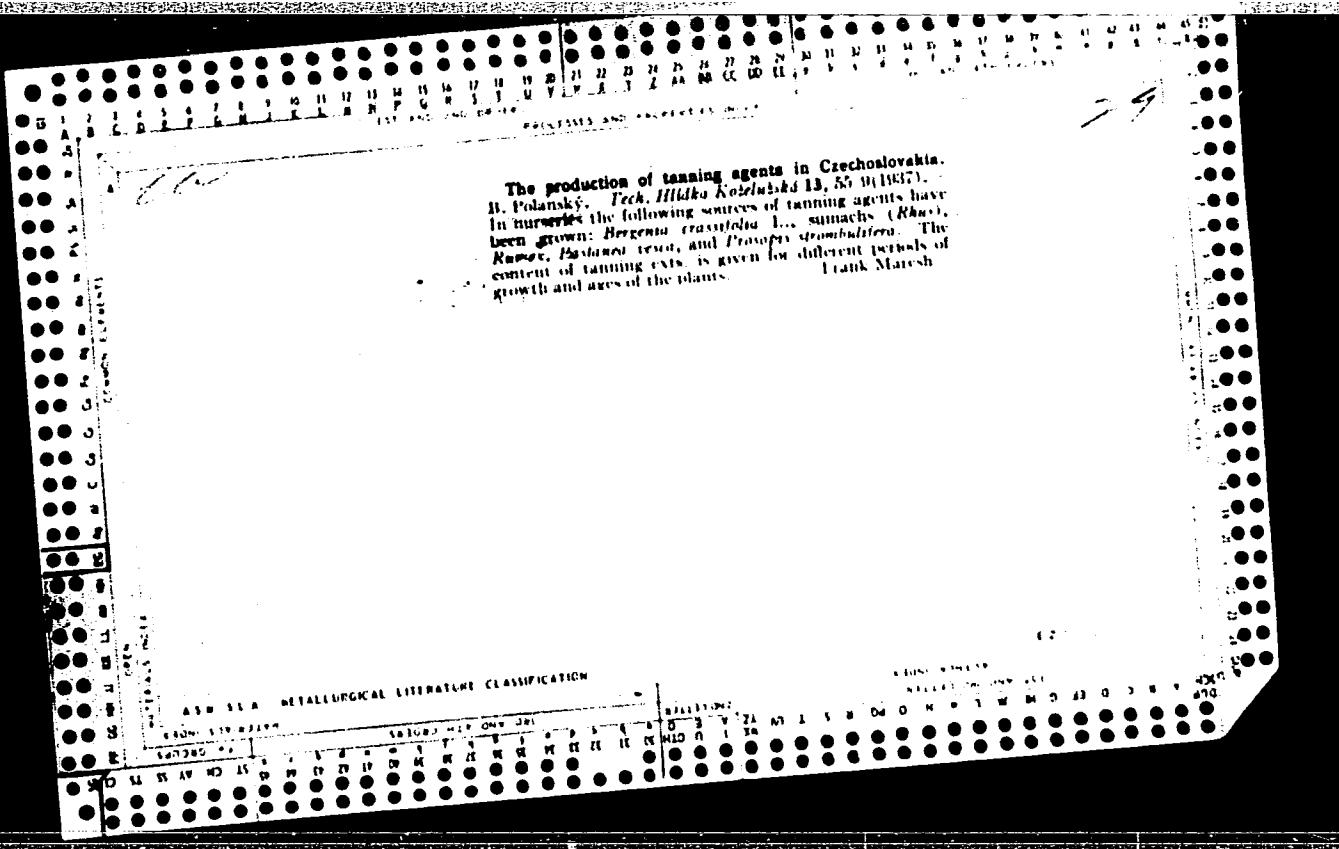
ZDRAVOTNI TECHNIKA A VZDUCHOTECHNIKA. (Ceskoslovenska akademie ved. Ceskoslovenska vedecka technika spolecnost pro zdravotni techniku a vzduchotechniku) Praha, Czechoslovakia. Vol 2, no. 2, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959. Uncl.

POLANSKY, Alois, inz. dr.; CACHA, Zbynek, inz.

Testing the new method of controlling the maximum temperature of hot water systems to 110° C. Energetika Cz 14 no.12:592-595 D '64.

1. Prumstav National Enterprise, Prague (for Polansky). 2. Institute of Technical Control, Prague (for Cacha).



POLANSKY, R.; GYERFALVI, Gy.

"Effect of Pressure and Temperature on Measurement of Sieve Flow", p. 529,  
(MAGYAR IZMÉRÓGÁZDÁKAG, Vol. 7, No. 11, November 1954, Budapest, Hungary)

SC: Monthly List of East European Accessions (EMAL), LC, Vol. 4, No. 3,  
March 1955, Unclassified.

POLANYI, E.; CIRBALVI, Gy.

"Report on Labor Competition of Stickers", P. (3) of cover, (MICHAEL  
ENERGIAGAZDASAG, Vol. 7, No. 11, November 1954, Budapest, Hungary)

SC: Monthly list of East European Accessions (EHAL), LC, Vol. 4, No. 3,  
March 1955, Unclassified.

POLANSKY, B.

Professor Josef Konsel; a biographic note. p. 3.

No. 1, 1955  
SBORNIK RADA C: SPISY FAKULTY LESNICKE  
Brno, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

PCLANKEY, B.

Changes in composition of forests and type of forestry  
in Czechoslovakia. p. 236.  
SBCRNIK. RADA C: SPISY FAKULTY LESNICKE. Brno.  
No. 4, 1955

SOURCE: EEAL - LC Vol. 5 No. 10 Oct. 1956

POLANSKY, BOHUSLAV.

Pesteni lesu. Vypracoval k lektiv autoru lesnickych fakult v Praze, Brne a  
Zvoleni. [Vyd. 1.] Praha, Statni zemedelske nakl. (Lesnicka knihovna.  
Velka rada, sv. 22) [Silviculture. 1st ed. illus., fold, maps, bibl.,  
indexes, tables] Vol. 3. [Special silviculture] 1956. 595 p.

SO: MOnthly List of East European Accessions (EEL) LC, Vol. 6, no. 10, October 1957. Uncl.

POLANSKY, B.

Determination of some characteristic indexed of boiler operation.  
p. 81. MAGYAR ENERGIAGAZDASAG. (Energiagazdalkodasi Tudomanyos  
Egyesulet) Budapest. Vol. 9, No. 2, Feb. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol 5, No. 6, June 1956

POLANSKY, B.

Current problems of boiler automation in the Soviet Union  
and Hungary. P. 133 MAGYAR ENERGIAGAZDASAG Budapest,  
Vol. 9, no. 4, Apr. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956